

In the Claims:

1 Claim 26 (currently amended) An electronic package comprising:
2 a first circuitized substrate having at least one conductive aperture therein having
3 an external surface;
4 a second circuitized substrate having at least one conductive aperture therein
5 having an external surface, said first and second circuitized substrates aligned such that
6 said at least one conductive aperture of said first circuitized substrate is substantially
7 aligned with said at least one conductive aperture of said second circuitized substrate, said
8 at least one conductive aperture of said first circuitized substrate and said at least one
9 conductive aperture of said second circuitized substrate including a conductive metallic
10 layer thereon selected from the group consisting of copper, nickel, gold, chromium, solder
11 and alloys thereof; and
12 at least one high melt solder alloy member having a melting point greater than
13 about 183° Celsius with said solder member including a first contact portion extending
14 from said external surface of said conductive aperture of said first circuitized substrate,
15 said first contact portion including a cross-sectional configuration that is substantially
16 round, oval or ellipsoidal, and a second contact portion extending substantially within both
17 of said aligned conductive apertures of said first and second circuitized substrates to at
18 least said external surface of said conductive aperture of said second circuitized substrate
19 to secure said circuitized substrates together.

Claim 27 (canceled)

1 Claim 28 (previously amended) The electronic package of Claim 26 wherein said
2 conductive metallic layer is copper including a protective layer thereon, said protective
3 layer selected from the group consisting of benzotriazole, chlorite, and immersion tin.

Claim 29 (canceled)

1 Claim 30 (currently amended) The electronic package of Claim 26 ~~29~~ wherein said
2 high melt solder alloy member is comprised of metallic material, said metallic material is
3 selected from the group consisting of tin, lead, gold, silver, antimony, and combinations
4 thereof.

Claim 31 (canceled)

1 Claim 32 (new) An electronic package comprising:
2 a first circuitized substrate having at least one conductive aperture therein having
3 an external surface, said first circuitized substrate comprised of material selected from the
4 group consisting of polyimide, polytetrafluoroethylene and epoxy glass cloth;
5 a second circuitized substrate having at least one conductive aperture therein
6 having an external surface, said second circuitized substrate comprised of material selected
7 from the group consisting of polyimide, polytetrafluoroethylene and epoxy glass cloth,
8 said first and second circuitized substrates aligned such that said at least one conductive
9 aperture of said first circuitized substrate is substantially aligned with said at least one
10 conductive aperture of said second circuitized substrate, said at least one conductive

END919980055US3

11 aperture of said first circuitized substrate and said at least one conductive aperture of said
 12 second circuitized substrate including a conductive metallic layer thereon selected from the
 13 group consisting of copper, nickel, gold, chromium, solder and alloys thereof; and
 14 at least one solder member including a first contact portion extending from said
 15 external surface of said conductive aperture of said first circuitized substrate, said first
 16 contact portion including a cross-sectional configuration that is substantially round, oval
 17 or ellipsoidal, and a second contact portion extending substantially within both of said
 18 aligned conductive apertures of said first and second circuitized substrates to at least said
 19 external surface of said conductive aperture of said second circuitized substrate to secure
 20 said circuitized substrates together.

1 Claim 33 (new) An electronic package comprising:
 2 a first circuitized substrate having at least one conductive aperture therein having
 3 an external surface;
 4 a second circuitized substrate having at least one conductive aperture therein
 5 having an external surface, said first and second circuitized substrates aligned such that
 6 said at least one conductive aperture of said first circuitized substrate is substantially
 7 aligned with said at least one conductive aperture of said second circuitized substrate, said
 8 at least one conductive aperture of said first circuitized substrate and said at least one
 9 conductive aperture of said second circuitized substrate including a conductive metallic
 10 layer thereon selected from the group consisting of copper, nickel, gold, chromium, solder
 11 and alloys thereof; and

12 at least one solder member including a first contact portion extending from said
13 external surface of said conductive aperture of said first circuitized substrate to form a
14 connection to a printed circuit board, said first contact portion including a cross-sectional
15 configuration that is substantially round, oval or ellipsoidal, and a second contact portion
16 extending substantially within both of said aligned conductive apertures of said first and
17 second circuitized substrates to at least said external surface of said conductive aperture of
18 said second circuitized substrate to secure said circuitized substrates together.